EXAMPLE XI

A chewing gum comprises 93% standard chewing gum base (chicle), 3% TDS and 5% of the carboxy starch polymer of Example I.

EXAMPLE XII

A lozenge comprising 80% maltose, 10% TDS, 3% of a 1:1 (wt.) mixture of the carboxy starch polymers of Examples I and V, 1% sodium monofluorophosphate 1.5% gum arabic, 0.1% strontium chloride, 0.1% flavorant, 0.05% magnesium stearate (tableting aid), the balance comprising corn starch, is prepared in a standard tablet press. In use, the lozenge is allowed to dissolve slowly in the mouth to bathe the teeth in the combination of active ingredients.

As can be seen from the foregoing, a wide variety of compositions useful for treating teeth in patients who are susceptible to dental calculus and plaque formation and in need of such treatment are provided by the present invention. It will also be appreciated that "multiple" compositions can be used in conjunction with each other, e.g., a toothpaste comprising TMS/TDS/polymer plus a separate toothpaste or mouthwash comprising pyrophosphate, can be separately applied to the teeth, followed by a mouthrinse using, for example, TRICLOSAN, to afford multiple benefits. Such separate usage would not depart from the spirit and scope of this invention.

What is claimed is:

1. An oral care composition, comprising:

a) an effective amount of an anticalculus agent which is a member selected from the group consisting of the acid or salt form of tartrate monosuccinate, tartrate disuccinate, and mixtures thereof;

b) an effective amount of a plaque-inhibiting polymer; and

c) a toxicologically acceptable oral carrier.

2. An oral care composition according to claim **1** comprising at least about 0.1% by weight of said anticalculus agent.

3. An oral care composition according to claim **2** comprising from about 1% to about 15% by weight of said anticalculus agent.

4. An oral care composition according to claim **1** wherein said anticalculus agent is a mixture of said tartrate monosuccinate and tartrate disuccinate at a weight ratio of tartrate monosuccinate: tartrate disuccinate from about 20:80 to about 80:20.

5. An oral care composition according to claim **4** wherein said anticalculus agent comprises a mixture of tartrate monosuccinate and tartrate disuccinate at a weight ratio of about 40:60 of tartrate monosuccinate:-tartrate disuccinate.

6. An oral care composition according to claim **1** wherein said plaque-inhibiting polymer is a member selected- from the group consisting of carboxy starch polymers, acrylic acid polymers, phosphoric acid polymers, maleic acid polymers, sulfonated polymers and modified forms of these polymers, and mixtures thereof.

7. An oral care composition according to claim **6** which comprises at least about 0.1% by weight of said polymer.

8. An oral care composition according to claim **7** wherein the oral carrier comprises a dentifrice, mouthwash, lozenge or chewing gum.

9. An oral care composition according to claim **1**, comprising an effective amount of an oral care adjuvant which is a member selected from the group consisting of:

i) fluoride ion sources;
ii) antibacterial agents;
iii) sodium and potassium nitrates;
iv) sources of zinc, indium, strontium or stannous cations;
v) peroxides;
vi) chelants and sequestrants selected from phosphates, and EDTA; and
vii) mixtures of adjuvants i through vi.

10. An oral care composition according to claim **9** wherein the fluoride ion source is selected from sodium fluoride, sodium monofluorophosphate and stannous fluoride.

11. An oral care composition according to claim **9** wherein the antibacterial agent is 5-chloro-2-(2,4-dichlorophenoxyphenol.

12. A method for preventing the accumulation of calculus on dental enamel while concurrently inhibiting plaque formation on said enamel, comprising contacting said enamel with a safe and effective amount of a composition according to claim **1**.

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